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Seat No : _____

B.Sc. Semester - 1 (CBCS) Examination
Oct/Nov. -2019 (OLD COURSE)
FORENSIC SCIENCE (CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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Q1 (A) Answer in short:**(04)**

1. Define Forensic Science
2. State the principle of exchange.
3. Give the full form of SIM.
4. How many CFSLS are there in India?

Q1 (B) Answer any one in brief:**(03)**

1. Explain the principle of individuality in detail.
2. Write a note on cases undertaken by cyber crime division.

Q1 (C) Answer any one in detail:**(07)**

1. Explain the working of documents division in detail.
2. Write a detailed note on Ballistics division.

Q2 (A) Answer in short:**(04)**

1. Give examples of at least two explosives.
2. Mention sources of natural narcotics.
3. What is added to alcohol to stop further fermentation?
4. What is the full form of TNT?

Q2 (B) Answer any one in brief:**(03)**

1. Write a note on analysis of burnt residue.
2. Define forensic chemistry and forensic chemist.

Q2 (C) Answer any one in detail:**(07)**

1. Write a note on working of NDPS division.
2. Write a detailed note on working of chemistry division.

Q3 (A) Answer in short:**(04)**

1. In which division is blood grouping done?
2. Which analysis is done in disputed paternity cases?
3. In which type of psychological analysis are drugs injected in a subject?
4. Define forensic anthropology.

Q3 (B) Answer any one in brief:

(03)

1. Write the applications of forensic entomology division.
2. Enlist the evidence received in biology division.

Q3 (C) Answer any one in detail:

(07)

1. Write a detailed note on psychology division.
2. Explain the types of analysis done in biology division.

Q4 (A) Answer in short:

(04)

1. Define crime.
2. Enlist factors causing crime.
3. Write the full form of FIR.
4. Give an example of subjective evidence.

Q4 (B) Answer any one in brief:

(03)

1. Write a note on isolation of crime scene.
2. Explain types of sketches.

Q4 (C) Answer any one in detail:

(07)

1. Write a note on blood spatter patterns.
2. Explain crime scene photography in detail.

Q5 (A) Answer in short:

(04)

1. Which organelle has paternal DNA in it?
2. What does TEM stand for?
3. Define magnification.
4. What is meant by resolution?

Q5 (B) Answer any one in brief:

(03)

1. Make a labeled block diagram of SEM.
2. Write a note on Mitochondria.

Q5 (C) Answer any one in detail:

(07)

1. Explain the five living kingdoms in detail.
2. Write a detailed note on construction and working of comparison microscope.
